

ABSTRACT

The invention relates to a cooling device (1) for cooling an item to be cooled, especially for use in the examination, handling and processing of cryogenic samples. The device includes a cooling compartment (3) for receiving the item to be cooled, an inner wall defining the cooling compartment (3), an outer wall, a space between the outer wall and the inner wall, and a coolant feed line (11) for feeding a coolant. According to the invention, the coolant feed line (11) leads into the space between the inner wall and the outer wall and feeds the coolant into the space, the inner wall being permeable for the coolant.